```
EEEEEEEEEEEEEEE  DDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD     TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD     TTTTTTTTTTTTTTT
EEE               DDD     DDD          TTT
EEE               DDD     DDD          TTT
EEE               DDD     DDD          TTT
EEE               DDD     DDD          TTT
EEE               DDD     DDD          TTT
EEEEEEEEEEE       DDD     DDD          TTT
EEEEEEEEEEE       DDD     DDD          TTT
EEEEEEEEEEE       DDD     DDD          TTT
EEE               DDD     DDD          TTT
EEE               DDD     DDD          TTT
EEE               DDD     DDD          TTT
EEE               DDD     DDD          TTT
EEE               DDD     DDD          TTT
EEEEEEEEEEEEEEE   DDDDDDDDDD            TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD            TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD            TTT
```

```
 SSSSSSSS  TTTTTTTTTT    AAAAAA   RRRRRRRR   TTTTTTTTTT  EEEEEEEEEE  DDDDDDD    TTTTTTTTTT
 SSSSSSSS  TTTTTTTTTT    AAAAAA   RRRRRRRR   TTTTTTTTTT  EEEEEEEEEE  DDDDDDD    TTTTTTTTTT
SS             TT      AA      AA  RR     RR      TT      EE          DD     DD      TT
SS             TT      AA      AA  RR     RR      TT      EE          DD     DD      TT
SS             TT      AA      AA  RR     RR      TT      EE          DD     DD      TT
   SSSSSS      TT      AA      AA  RRRRRRRR       TT      EEEEEEE     DD     DD      TT
   SSSSSS      TT      AA      AA  RRRRRRRR       TT      EEEEEEE     DD     DD      TT
       SS      TT      AAAAAAAAAA  RR  RR         TT      EE          DD     DD      TT
       SS      TT      AAAAAAAAAA  RR   RR        TT      EE          DD     DD      TT
       SS      TT      AA      AA  RR    RR       TT      EE          DD     DD      TT
       SS      TT      AA      AA  RR     RR      TT      EE          DD     DD      TT          ....
SSSSSSSS       TT      AA      AA  RR      RR     TT      EEEEEEEEEE  DDDDDDD        TT          ....
SSSSSSSS       TT      AA      AA  RR      RR     TT      EEEEEEEEEE  DDDDDDD        TT          ....

LL             IIIIII    SSSSSSSS
LL             IIIIII    SSSSSSSS
LL               II    SS
LL               II    SS
LL               II    SS
LL               II    SS
LL               II       SSSSSS
LL               II       SSSSSS
LL               II              SS
LL               II              SS
LL               II              SS
LL               II              SS
LLLLLLLLLL     IIIIII    SSSSSSSS
LLLLLLLLLL     IIIIII    SSSSSSSS
```

```
   1    0001   0  %TITLE 'EDT$STARTEDT - set up and call EDT'
   2    0002   0  MODULE EDT$STARTEDT (                              ! set up and call EDT
   3    0003   0                IDENT = 'V04-000'                    ! File: STARTEDT.BLI Edit: SMB1015
   4    0004   0                MAIN = EDT$$STARTEDT
   5    0005   0                ) =
   6    0006   1  BEGIN
   7    0007   1
   8    0008   1  !****************************************************************************
   9    0009   1  !*                                                                          *
  10    0010   1  !*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                *
  11    0011   1  !*   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                 *
  12    0012   1  !*   ALL RIGHTS RESERVED.                                                   *
  13    0013   1  !*                                                                          *
  14    0014   1  !*   THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED  *
  15    0015   1  !*   ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH LICENSE  AND WITH THE   *
  16    0016   1  !*   INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER  *
  17    0017   1  !*   COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY  *
  18    0018   1  !*   OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY  *
  19    0019   1  !*   TRANSFERRED.                                                           *
  20    0020   1  !*                                                                          *
  21    0021   1  !*   THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE  *
  22    0022   1  !*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
  23    0023   1  !*   CORPORATION.                                                           *
  24    0024   1  !*                                                                          *
  25    0025   1  !*   DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS  *
  26    0026   1  !*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                *
  27    0027   1  !*                                                                          *
  28    0028   1  !*                                                                          *
  29    0029   1  !****************************************************************************
  30    0030   1
  31    0031   1
  32    0032   1  !++
  33    0033   1  ! FACILITY:      EDT -- The DEC Standard Editor
  34    0034   1  !
  35    0035   1  ! ABSTRACT:
  36    0036   1  !
  37    0037   1  !       set up and call EDT
  38    0038   1  !
  39    0039   1  ! ENVIRONMENT:  Runs at any access mode - AST reentrant
  40    0040   1  !
  41    0041   1  ! AUTHOR: Shelly T. Solomon CREATION DATE: November 16, 1981
  42    0042   1  !
  43    0043   1  ! MODIFIED BY:
  44    0044   1  !
  45    0045   1  ! 1-001 - Original.  STS 16-Nov-1981.
  46    0046   1  ! 1-002 - Changed names of all globals to avoid conflicts in linking with
  47    0047   1  !          sharable image. STS 07-Dec-1981
  48    0048   1  ! 1-003 - Add command and journal file defaults.  STS 16-Dec-1981
  49    0049   1  ! 1-004 - If we are tracing, open the terminal before parsing the command,
  50    0050   1  !          for compatibility with old EDT.  JBS 17-Dec-1981
  51    0051   1  ! 1-005 - Change journal file name to default to input file name. STS 17-Dec-1981
  52    0052   1  ! 1-006 - Add B32 conditionals for TRACE code.  SMB 21-Dec-1981
  53    0053   1  ! 1-007 - Run through PRETTY to remove leading blank line.  JBS 22-Dec-1981
  54    0054   1  ! 1-008 - Pass address of EDT$FILEIO to main EDT routine. STS 25-Dec-1981
  55    0055   1  ! 1-009 - Fix DSC$A_POINTER macro. STS 14-Jan=1982
  56    0056   1  ! 1-010 - Pass address of EDT$WORKIO. STS 10-Feb-1982
  57    0057   1  ! 1-011 - Use EDT$$V_COPTIONS.  JBS 24-Mar-1982
```

```
  58      0058  1 !   1-012 - Simplify the clearing of EDT$SV_COPTIONS to avoid the need for
  59      0059  1 !        BL$PU2 on the PDP-11.  JBS 26-Mar-1982
  60      0060  1 !   1-013 - Make this a VAX specific module. STS 02-Jun-1982
  61      0061  1 !   1-014 - Add EDT$XLATE. STS 13-Aug-1982
  62      0062  1 !   1-015 - Simplify for use with new DCL command language interface.  SMB 18-Feb-1983
  63      0063  1 !
  64      0064  1 !--
```

```
   66    0065  1  %SBTTL 'Declarations'
   67    0066  1  !
   68    0067  1  !  TABLE OF CONTENTS:
   69    0068  1  !
   70    0069  1
   71    0070  1  REQUIRE 'EDTSRC:TRAROUNAM';
   72    0509  1
   75    0510  1  FORWARD ROUTINE
   74    0511  1      EDT$$STARTEDT;                                      ! Main program for EDT utility
   75    0512  1
   76    0513  1  !
   77    0514  1  !  INCLUDE FILES:
   78    0515  1  !
   79    0516  1
   80    0517  1  REQUIRE 'EDTSRC:EDTREQ';
   81    0652  1
   82    0653  1  REQUIRE 'EDTSRC:SYSSYM';
   83    0683  1
   84    0684  1  REQUIRE 'TRACESEL';
   85    0715  1
   86    0716  1  REQUIRE 'EDTSRC:TRACEMAC';
   87    0943  1
   88    0944  1  !
   89    0945  1  !  MACROS:
   90    0946  1  !
   91    0947  1  !
   92    0948  1  !  EQUATED SYMBOLS:
   93    0949  1  !
   94    0950  1  !      NONE
   95    0951  1  !
   96    0952  1  !  OWN STORAGE:
   97    0953  1  !
   98    0954  1  !      NONE
   99    0955  1
  100    0956  1  GLOBAL
  101    0957  1      EDT$$G_CRCOV_MOD,
  102    0958  1      EDT$$Z_CINP_DESC : BLOCK [8, BYTE],            ! Input file string descriptor
  103    0959  1      EDT$$Z_COUT_DESC : BLOCK [8, BYTE],            ! Output file string descriptor
  104    0960  1      EDT$$Z_CCMD_DESC : BLOCK [8, BYTE],            ! Command file string descriptor
  105    0961  1      EDT$$Z_CJOU_DESC : BLOCK [8, BYTE],            ! Journal file string descriptor
  106    0962  1      EDT$$V_COPTIONS : BITVECTOR [32];
  107    0963  1
  108    0964  1  !
  109    0965  1  !  EXTERNAL REFERENCES:
  110    0966  1  !
  111    0967  1  !      In the routine
```

EDT$STARTEDT   EDT$STARTEDT - set up and call EDT   F 4
V04-000   EDT$STARTEDT - set up and call EDT   16-Sep-1984 01:51:19   VAX-11 Bliss-32 V4.0-742   Page 4
                                                            14-Sep-1984 12:24:46   DISK$VMSMASTER:[EDT.SRC]STARTEDT.B32;1   (3)

```
  113    0968  1  %SBTTL 'EDT$STARTEDT - set up and call EDT'
  114    0969  1  ROUTINE EDT$STARTEDT                                  ! set up and call EDT
  115    0970  1      =
  116    0971  1
  117    0972  1  !++
  118    0973  1  ! FUNCTIONAL DESCRIPTION:
  119    0974  1  !
  120    0975  1  !      set up and call EDT
  121    0976  1  !
  122    0977  1  ! FORMAL PARAMETERS:
  123    0978  1  !
  124    0979  1  !      NONE
  125    0980  1  !
  126    0981  1  ! IMPLICIT INPUTS:
  127    0982  1  !
  128    0983  1  !      none
  129    0984  1  !
  130    0985  1  ! IMPLICIT OUTPUTS:
  131    0986  1  !
  132    0987  1  !      NONE
  133    0988  1  !
  134    0989  1  ! ROUTINE VALUE:
  135    0990  1  !
  136    0991  1  !      Same as EDT$EDIT
  137    0992  1  !
  138    0993  1  ! SIDE EFFECTS:
  139    0994  1  !
  140    0995  1  !      Calls EDT$EDIT and does an edit
  141    0996  1  !
  142    0997  1  !--
  143    0998  1
  144    0999  2      BEGIN
  145    1000  2
  146    1001  2      EXTERNAL ROUTINE
  147    1002  2          EDT$EDIT,                                    ! this is callable EDT entry point
  148    1003  2
  149 L  1004  2  %IF EDT$$TR_ACT
  150 U  1005  2  %THEN
  151 U  1006  2          EDT$$TI_OPN,                                 ! open terminal and set up trace
  152    1007  2  %FI
  153    1008  2
  154    1009  2          EDT$$PA_CMDLN;                               ! Parse command line
  155    1010  2
  156    1011  2      EXTERNAL
  157    1012  2          EDT$WORKIO,                                  ! address of work i/o routine
  158    1013  2          EDT$XLATE,                                   ! address of translation routine
  159    1014  2          EDT$FILEIO;                                  ! address of fileio routine
  160    1015  2
  161    1016  2      LOCAL
  162    1017  2          FILE_ROUT : VECTOR [2],
  163    1018  2          XLATE_ROUT : VECTOR [2],
  164    1019  2          WORK_ROUT : VECTOR [2],
  165    1020  2          CROUTVAL;
  166    1021  2
  167 L  1022  2  %IF EDT$$TR_ACT
  168 U  1023  2  %THEN
  169 U  1024  2  !+
```

```
                                            G  4
EDT$STARTEDT        EDT$STARTEDT - set up and call EDT              16-Sep-1984 01:51:19     VAX-11 Bliss-32 V4.0-742        Page  5
V04-000             EDT$$STARTEDT - set up and call EDT             14-Sep-1984 12:24:46     DISK$VMSMASTER:[EDT.SRC]STARTEDT.B32;1  (3)
```

```
;  170       U 1025   2 ! If we are tracing (only on VAX-11) open the terminal first, so
;  171       U 1026   2 ! the trace file is open and the trace records are in the same
;  172       U 1027   2 ! order as in previous configurations of EDT.  The initialization
;  173       U 1028   2 ! routine will call EDT$$TI_OPN later, but it will execute only once.
;  174       U 1029   2 !-
;  175       U 1030   2     EDT$$TI_OPN ();
;  176         1031   2 %FI
;  177         1032   2
;  178         1033   2 !+
;  179         1034   2 ! Do some initialization
;  180         1035   2 !-
;  181         1036   2     BLOCK [EDT$$V_COPTIONS, 0, 0, 16, 0; 4, BYTE] = 0;
;  182         1037   2     BLOCK [EDT$$V_COPTIONS, 2, 0, 16, 0; 4, BYTE] = 0;
;  183         1038   2     FILE_ROUT [0] = EDT$FILEIO;
;  184         1039   2     FILE_ROUT [1] = 0;
;  185         1040   2     XLATE_ROUT [0] = EDT$XLATE;
;  186         1041   2     XLATE_ROUT [1] = 0;
;  187         1042   2     WORK_ROUT [0] = EDT$WORKIO;
;  188         1043   2     WORK_ROUT [1] = 0;
;  189         1044   2     EDT$$Z_CINP_DESC [DSC$B_DTYPE] = DSC$K_DTYPE_T;      ! type of descriptor
;  190         1045   2     EDT$$Z_CINP_DESC [DSC$B_CLASS] = DSC$K_CLASS_D;      ! dynamic strings
;  191         1046   2     EDT$$Z_CINP_DESC [DSC$A_POINTER] = 0;
;  192         1047   2     EDT$$Z_CINP_DESC [DSC$W_LENGTH] = 0;
;  193         1048   2     EDT$$Z_COUT_DESC [DSC$B_DTYPE] = DSC$K_DTYPE_T;
;  194         1049   2     EDT$$Z_COUT_DESC [DSC$B_CLASS] = DSC$K_CLASS_D;
;  195         1050   2     EDT$$Z_COUT_DESC [DSC$A_POINTER] = 0;
;  196         1051   2     EDT$$Z_COUT_DESC [DSC$W_LENGTH] = 0;
;  197         1052   2     EDT$$Z_CCMD_DESC [DSC$B_DTYPE] = DSC$K_DTYPE_T;
;  198         1053   2     EDT$$Z_CCMD_DESC [DSC$B_CLASS] = DSC$K_CLASS_D;
;  199         1054   2     EDT$$Z_CCMD_DESC [DSC$A_POINTER] = 0;
;  200         1055   2     EDT$$Z_CCMD_DESC [DSC$W_LENGTH] = 0;
;  201         1056   2     EDT$$Z_CJOU_DESC [DSC$B_DTYPE] = DSC$K_DTYPE_T;
;  202         1057   2     EDT$$Z_CJOU_DESC [DSC$B_CLASS] = DSC$K_CLASS_D;
;  203         1058   2     EDT$$Z_CJOU_DESC [DSC$A_POINTER] = 0;
;  204         1059   2     EDT$$Z_CJOU_DESC [DSC$W_LENGTH] = 0;
;  205         1060   2
;  206         1061   2 !+
;  207         1062   2 ! Process the command line. And get all this stuff back
;  208         1063   2 !-
;  209         1064   2     EDT$$PA_CMDLN ();
;  210         1065   2
;  211         1066   2 !+
;  212         1067   2 ! We've set up all the preliminaries,  now call EDT.
;  213         1068   2 !-
;  214         1069   3     RETURN (EDT$EDIT (EDT$$Z_CINP_DESC, EDT$$Z_COUT_DESC, EDT$$Z_CCMD_DESC, EDT$$Z_CJOU_DESC,
;  215         1070   2             EDT$$V_COPTIONS, FILE_ROUT, WORK_ROUT, XLATE_ROUT));
;  216         1071   1     END;                                               ! of routine EDT$STARTEDT


                                        .TITLE  EDT$STARTEDT EDT$STARTEDT - set up and call EDT
                                        .IDENT  \V04-000\

                                        .PSECT  _EDT$DATA,NOEXE, PIC,2

                           00000 EDT$$G_CRCOV_MOD::
                                        .BLKB   4
                           00004 EDT$$Z_CINP_DESC::
```

```
EDT$STARTEDT          EDT$STARTEDT - set up and call EDT              H 4                      VAX-11 Bliss-32 V4.0-742                Page 6
V04-000               EDT$$STARTEDT - set up and call EDT             16-Sep-1984 01:51:19
                                                                      14-Sep-1984 12:24:46     DISK$VMSMASTER:[EDT.SRC]STARTEDT.B32;1   (3)
```

```
                                                              .BLKB   8
                                           0000C EDT$$Z_COUT_DESC::
                                                              .BLKB   8
                                           00014 EDT$$Z_CCMD_DESC::
                                                              .BLKB   8
                                           0001C EDT$$Z_CJOU_DESC::
                                                              .BLKB   8
                                           00024 EDT$$V_COPTIONS::
                                                              .BLKB   4

                                                              .EXTRN  EDT$EDIT, EDT$$PA_CMDLN
                                                              .EXTRN  EDT$WORKIO, EDT$XLATE
                                                              .EXTRN  EDT$FILEIO

                                                              .PSECT  _EDT$CODE,NOWRT,  SHR,  PIC,2

                           0004 00000 EDT$$STARTEDT:
                                                              .WORD   Save R2                                                    ; 0969
                  52 00000000'  EF 9E 00002          MOVAB   EDT$$Z_CINP_DESC, R2
                  5E            14 C2 00009          SUBL2   #20, SP
       0C  AE 00000000G  00 9E 0000C          MOVAB   EDT$FILEIO, FILE_ROUT                                           ; 1038
                         10 AE D4 00014          CLRL    FILE_ROUT+4                                                  ; 1039
       04  AE 00000000G  00 9E 00017          MOVAB   EDT$XLATE, XLATE_ROUT                                          ; 1040
                         08 AE D4 0001F          CLRL    XLATE_ROUT+4                                                 ; 1041
                  00000000G  00 9F 00022          PUSHAB  EDT$WORKIO                                                  ; 1042
                         04 AE D4 00028          CLRL    WORK_ROUT+4                                                  ; 1043
                  62 020E0000  8F D0 0002B          MOVL    #34471936, EDT$$Z_CINP_DESC                              ; 1047
                         04 A2 D4 00032          CLRL    EDT$$Z_CINP_DESC+4                                           ; 1046
       08  A2 020E0000  8F D0 00035          MOVL    #34471936, EDT$$Z_COUT_DESC                                     ; 1051
                         0C A2 D4 0003D          CLRL    EDT$$Z_COUT_DESC+4                                          ; 1050
       10  A2 020E0000  8F D0 00040          MOVL    #34471936, EDT$$Z_CCMD_DESC                                     ; 1055
                         14 A2 D4 00048          CLRL    EDT$$Z_CCMD_DESC+4                                          ; 1054
       1A  A2   020E  8F B0 0004B          MOVW    #526, EDT$$Z_CJOU_DESC+2                                          ; 1056
                         1C A2 7C 00051          CLRQ    EDT$$Z_CJOU_DESC+4                                          ; 1058
                         18 A2 B4 00054          CLRW    EDT$$Z_CJOU_DESC                                            ; 1059
         00000000G  00    00 FB 00057          CALLS   #0, EDT$$PA_CMDLN                                             ; 1064
                         08 AE 9F 0005E          PUSHAB  XLATE_ROUT                                                  ; 1069
                         04 AE 9F 00061          PUSHAB  WORK_ROUT
                         18 AE 9F 00064          PUSHAB  FILE_ROUT
                         20 A2 9F 00067          PUSHAB  EDT$$V_COPTIONS
                         18 A2 9F 0006A          PUSHAB  EDT$$Z_CJOU_DESC
                         10 A2 9F 0006D          PUSHAB  EDT$$Z_CCMD_DESC
                         08 A2 9F 00070          PUSHAB  EDT$$Z_COUT_DESC
                         52 DD 00073          PUSHL   R2
         00000000G  00    08 FB 00075          CALLS   #8, EDT$EDIT
                         04 0007C          RET                                                                       ; 1071

; Routine Size:  125 bytes,    Routine Base: _EDT$CODE + 0000

;   217        1072  1 !<BLF/PAGE>
```

EDT$STARTEDT   EDT$STARTEDT - set up and call EDT   I   4   Page 7
V04-000   EDT$$STARTEDT - set up and call EDT   16-Sep-1984 01:51:19   VAX-11 Bliss-32 V4.0-742
                                                             14-Sep-1984 12:24:46   DISK$VMSMASTER:[EDT.SRC]STARTEDT.B32;1 (4)

```
;  219       1073  1 END
;  220       1074  1
;  221       1075  0 ELUDOM




;                           PSECT SUMMARY
;
;
;       Name                    Bytes                       Attributes
;
;  _EDT$DATA                       40  NOVEC,  WRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,  PIC,ALIGN(2)
;  _EDT$CODE                      125  NOVEC,NOWRT,  RD ,  EXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(2)




;                     Library Statistics
;
;                                --------- Symbols ---------      Pages       Processing
;       File                      Total   Loaded   Percent       Mapped      Time
;
;  _$255$DUA28:[EDT.SRC]EDT.L32;1           377       0         0            40       00:00.2
;  _$255$DUA28:[EDT.SRC]PSECTS.L32;1          2       1        50             7       00:00.1
;  _$255$DUA28:[SYSLIB]STARLET.L32;1       9776       6         0           581       00:04.0




;                      COMMAND QUALIFIERS
;
;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:STARTEDT/OBJ=OBJ$:STARTEDT MSRC$:STARTEDT.B32/UPDATE=(ENH$:STAR
;       TEDT)

; Size:         125 code + 40 data bytes
; Run Time:     00:22.7
; Elapsed Time:   00:32.1
; Lines/CPU Min:   2838
; Lexemes/CPU-Min:  9541
; Memory Used:  109 pages
; Compilation Complete
```

SCRUPDATM
LIS

STARTEDT
LIS

TISAVE
LIS

SETCOMMAN
LIS

TIAUTO
LIS

TIDELETE
LIS

TILINE
LIS

TRACEMAC
LIS

UFBUFFER
LIS

SCRZAPSIN
LIS

UEXACASE
LIS

SCRUPDATN
LIS

TITYPAHD
LIS

TSTKEYDEF
LIS

TICLRAUD
LIS

SUPPORTS
LIS

TICHAR
LIS

TIECHO
LIS

TRAROUNAM
LIS

TRANSLATE
LIS

UFSTRING
LIS

SYSVAX
LIS

SCRWID
LIS

TRACELIT
LIS

UCVTCASE
LIS